



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/772,508	02/05/2004	Ho-Yeon Lee	678-1162 (P10777)	6896
28249	7590	10/30/2006	EXAMINER	
DILWORTH & BARRESE, LLP 333 EARLE OVINGTON BLVD. UNIONDALE, NY 11553			SHARMA, SUJATHA R	
			ART UNIT	PAPER NUMBER
			2618	

DATE MAILED: 10/30/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/772,508	Applicant(s) LEE, HO-YEON	
	Examiner Sujatha Sharma	Art Unit 2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 February 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Priority

1. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d) which papers have been placed of record in the file.

Claim Rejections – 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-7 are rejected under 35 U.S.C. 102(e) as being anticipated by Chun [US 2002/0068586].

Regarding claim 1, Chun discloses a method of reconnecting a dropped call in mobile communication system. Chun further discloses a method comprising the steps of:

- storing call information used during initial call setup; see page 1, paragraph 8
- determining, if call drop occurs during a call using the call information, whether the call drop is an unintentional call drop; See page 2, paragraph 42
- automatically reconnecting the dropped call based on the stored call information, if the call drop is determined to be unintentional. see page 1, paragraph 8

Regarding claim 2, Chun discloses a method wherein the determining step determines that unintentional call drop has occurred if an air message is not received for a valid waiting time previously set in one of a mobile communication terminal conducting the call and a base station controlling the call. See page 4, paragraphs 74,75

Regarding claim 3, Chun discloses a method wherein the automatically reconnecting step further comprises:

- a) generating a message for providing notification of the unintentional call drop by one of the mobile communication terminal and the base station, and transmitting the generated message to an other party; see page 3, paragraph 58; page 4, paragraph 76
- b) generating an origination message for automatic reconnection of the dropped call using the call information stored by the mobile communication terminal upon receiving notification of the unintentional call drop; see page 3, paragraph 50; page 4, paragraph 77 and page 5, paragraph 85
- c) transmitting the generated origination message from the mobile communication terminal to the base station; See page 5, paragraph 85
- d) receiving, by the mobile communication terminal, channel information for automatic reconnection of the dropped call from the base station, and setting up a traffic channel based on the received channel information; see page 4, paragraph 78 and page 5, paragraphs 87, 88

- e) connecting the dropped call using the traffic channel. see page 4, paragraph 78 and page 5, paragraphs 87, 88

Regarding claim 4, Chun discloses a method wherein step (a) comprises setting an order identifier (ORDQ) of a release order message indicating call end at a value previously agreed between the mobile communication terminal and the base station. See page 3, paragraphs 47,48

Regarding claim 5, Chun discloses a method wherein step (b) comprises receiving a user's approval for automatic connection of the previous call by the mobile communication terminal. see page 3, paragraph 50; page 4, paragraph 77 and page 5, paragraph 85. Since mobile terminal is requesting for the reconnection it is obvious that the mobile terminal has approved the reconnection of the call.

Regarding claim 6, Chun discloses a method wherein the automatically reconnecting step further comprises the steps of:

- generating a message for providing notification of unintentional call drop by one of the mobile communication terminal and the base station, and transmitting the generated message to an other party. see page 3, paragraph 58; page 4, paragraph 76
- assigning a traffic channel for automatic reconnection of the dropped call by the base station using the stored call information, upon receiving the generated message for providing notification of the unintentional call drop; see page 4, paragraph 78 and page 5, paragraphs 87, 88

Art Unit: 2618

- transmitting the traffic channel to all mobile communication terminals with which the base station was conducting the dropped call; see page 4, paragraph 78 and page 5, paragraphs 87, 88
- connecting the dropped call using the traffic channel. see page 4, paragraph 78 and page 5, paragraphs 87, 88

Regarding claim 7, Chun discloses a method wherein the generating step further comprises setting an order identifier (ORDQ) of a release order message indicating call end at a value previously agreed between the mobile communication terminal and the base station. See page 3, paragraphs 47,48

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kim [US 6,343,216] Method of automatically reconnecting a dropped call in a mobile communication system

Forman [US 2004/0203645] Telecommunication services and apparatus regarding lost connectivity events

Abrol [US 6,654,360] Method and system for providing dormant mode wireless packet data services

Chun [US 6,766,173] Reconnection of a dropped call in mobile communication system

Ham [US 6,633,760] Method for reconnection of a dropped call in mobile communication system

Art Unit: 2618

Choy [US 6,032,040] Method and system for auto reconnect of wireless calls

Satapathy [US 7,076,245] Proactive management of dropped calls on a wireless
communication system

Idrissi [US 6,990,349] System and method for reconnecting a mobile station to an
emergency operator

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sujatha Sharma whose telephone number is 571-272-7886. The examiner can normally be reached on Mon-Fri 7.30am - 4.00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew D. Anderson can be reached on 571-272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Sujatha Sharma
October 24, 2006